

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) Mail Stop Amendment
)
Lisheng HUANG) Group Art Unit: 2616
)
Application No.: 08/575,433) Examiner: P. Tran
)
Filed: December 20, 1995)
)
For: HYBRID PACKET-SWITCHED)
AND CIRCUIT-SWITCHED)
TELEPHONY SYSTEM)

DECLARATION UNDER 37 C.F.R. § 1.131

U.S. Patent and Trademark Office
Customer Window, Mail Stop Amendment
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

I, Burton A. Amernick, Esq., hereby declare that:

1. I am an attorney with the successor of the law firm that represented MCI Communications Corporation ("MCI"), the assignee of the above identified US Patent application, in 1995. Mr. Lisheng Huang is the sole inventor of the invention disclosed and claimed in U.S. Patent Application No. 08/575,433, filed December 20, 1995 ("the present application"), and my law firm's billing records and other documents establish that Mr. Huang conceived of this invention prior to September 20, 1995.

2. In 1995, the name of the law firm representing Mr. Huang was Pollock, Vande Sande & Priddy R.L.L.P (the "Pollock Firm"). I was an attorney with the Pollock Firm, as was Townsend Belser. One of our clients was MCI Communications Corporation ("MCI"), and we handled numerous patent prosecutions for MCI. The Pollock Firm dissolved and attorneys remaining joined Connolly Bove Lodge & Hutz LLP ("Connolly Bove"), and I am

now an attorney with Connolly Bove. As a partner at Connolly Bove, I am one of the custodians of that firm's documents. I have spent substantial amounts of time collecting and reviewing documents relating to this matter, and I have personal knowledge that the documents attached hereto are authentic documents of the Pollock Firm, and now Connolly Bove, kept in the ordinary course of business.

3.. A communication was sent to Mr. Huang from the Pollock Firm prior to September 20, 1995, that provided three documents for Mr. Huang to consider in relation to his invention. **Exhibit A** includes a redacted copy of that communication. **Exhibit A** further includes a redacted copy of the Pollock Firm's billing records relating to that communication.

4. **Exhibit B** further includes a redacted copy of the Pollock Firm's billing records relating a facsimile sent to the Pollock Firm, dated prior to September 20, 1995, which included additional information from the inventor regarding the invention.

5. A telephone conference was conducted between Mr. Huang and the Pollock Firm prior to September 20, 1995, in which Mr. Huang's invention was discussed. **Exhibit C** includes a redacted copy of the Pollock Firm's billing records relating to this telephone conference.

6. A communication was sent to Patentec (a patent search firm) from the Pollock Firm prior to September 20, 1995, that provided draft claims for Mr. Huang's invention. **Exhibit D** includes a redacted copy of the communication. **Exhibit D** further includes a redacted copy of the Pollock Firm's billing records relating to this communication.

7. A communication was sent to Mr. Huang from the Pollock Firm prior to September 20, 1995, that provided search result documents for Mr. Huang to consider in relation to his invention. **Exhibit E** includes a redacted copy of the communication. **Exhibit**

E further includes a redacted copy of the Pollock Firm's billing records relating to this communication.

8. A first draft of the present application was completed prior to September 20, 1995 by the Pollock Firm. A letter accompanying and referencing the completed first draft patent application was written by the Pollock Firm and sent to Mr. Huang at MCI. **Exhibit F** includes a redacted copy of the letter. **Exhibit F** further includes a redacted copy of the Pollock Firm's billing records relating to the first draft.

9. **Exhibit G** includes a redacted copy of the Pollock Firm's billing records relating to an electronic mail message prior to September 20, 1995, regarding a search of prior art..

10. A communication forwarding a second draft of the patent application was sent by the Pollock Firm to Mr. Huang at MCI on November 15, 1995. **Exhibit H** includes a copy of the communication. **Exhibit H** further includes a redacted copy of the Pollock Firm's attorneys' billing records relating to the second draft patent application.


11. A facsimile was sent by Mr. Huang to the Pollock Firm on November 30, 1995, which included Mr. Huang's comments on the second draft patent application. **Exhibit I** includes a redacted copy of the Pollock Firm's billing records relating to this facsimile.

12. A letter forwarding a final draft of the patent application was sent by the Pollock Firm to MCI on December 1, 1995, with a copy to Mr. Huang. **Exhibit J** includes a copy of the letter. **Exhibit J** further includes a redacted copy of the Pollock Firm's billing records relating to the final draft.

13. I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further,

that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements made jeopardize the validity of the application or any patent issuing therefrom.

Date: 10-08-07

Signature: 
Burton A. Amernick, Esq.

LIST OF EXHIBITS

- A: Redacted copy of a communication sent to MCI Communications Corporation, dated prior to September 20, 1995, which provided three documents for consideration in relation to the invention, and the Pollock Firm's billing records relating to same.
- B: Redacted copy of the Pollock Firm's billing records relating to a facsimile sent to the Pollock Firm, dated prior to September 20, 1995, which included additional information from the inventor regarding the invention.
- C: Redacted copy of the Pollock Firm's billing records relating to a telephone conference between Mr. Huang and the Pollock Firm, which occurred prior to September 20, 1995, in which Mr. Huang's invention was discussed.
- D: Redacted copy of a communication sent to Patentec (a patent search firm) prior to September 20, 1995, which provided draft claims for Mr. Huang's invention, and a redacted copy of the Pollock Firm's billing records relating to same.
- E: Redacted copy of a communication sent to MCI Communications Corporation, dated prior to September 20, 1995, which provided search result documents, and the Pollock Firm's billing records relating to same.
- F: Redacted copy of a letter sent to MCI Communications Corporation, dated prior to September 20, 1995, which accompanied and referenced a first draft application, and the Pollock Firm's billing records relating to same.
- G: Redacted copy of the Pollock Firm's billing records relating to an electronic mail message sent to the Pollock Firm, dated prior to September 20, 1995, which included comments on search result documents..
- H: Copy of a communication sent to MCI Communications Corporation, dated November 15, 1995, to which a second draft application was attached, and a redacted copy of the Pollock Firm's billing records relating to same.
- I Redacted copy of the Pollock Firm's billing records relating to a November 30, 1995, facsimile sent to the Pollock Firm, which included comments on the second draft application.
- J: Copy of a letter sent to MCI Communications Corporation, dated December 1, 1995, to which a final draft of the patent application was attached, and a redacted copy of the Pollock Firm's billing records relating to same.

EXHIBIT A

LAW OFFICES
POLLOCK, VANDE SANDE & PRIDDY, R.L.L.P.

ELLIOTT I. POLLOCK
GEORGE VANDE SANDE
ROBERT R. PRIDDY
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BURTON A. AMERHECK
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MARTIN ABRAMSON
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THOMAS J. VANDE SANDE
LOUIS WOOD
ELZBIETA CHLOPECKA
ERIC J. FRANKLIN
LARRY LIMERCHUK**

OF COUNSEL:
JOHN E. HOEL*
JOSEPH C. REDMOND, JR.
*MEMBER VIRGINIA BAR ONLY
**MEMBER PENNSYLVANIA BAR ONLY

SUITE 800
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WASHINGTON, D. C. 20036-3425

INTELLECTUAL PROPERTY CAUSES

TELEPHONE (202) 331-7111

FAX 202-293-6229

FAX 202-223-2596

P.O. BOX 19088
WASHINGTON, D.C. 20036-0088

VIA FEDERAL EXPRESS

Mr. Lisheng "Alex" Huang
MCI Communications Corporation
2400 N. Glenville Drive
Richardson, Texas 75082

Re: Invention Disclosure on
HYBRID PACKET-SWITCHED AND
CIRCUIT-SWITCHED TELEPHONY
Your Ref: RIC-95-042
Our Ref: 1643/339

Dear Alex:

I am assisting John Hoel in the processing of your above invention disclosure which we received by fax from Jay Shah on [REDACTED].

Enclosed are two articles by David J. Goodman, namely: (1) pages 31-40 with "Trends In Cellular And Cordless Communications", June 1991, IEEE Communications Magazine; and (2) pages 1272-1280 with "Cellular Packet Communications", August 1990, IEEE Transactions on Communications, Vol. 38, No. 8. Also enclosed is a copy of U.S. Patent No. 4,866,704 issued September 12, 1989, to Bergman.

In Fig. 5 of article (1), there is shown a cellular packet switch wherein two metropolitan area networks are connected together via Gateway Interface Units (GIU's), and a metropolitan area network includes Trunk Interface Units (TIU's) for connecting a metropolitan area network to a Public Switched Telecommunications Network (PSTN) and to a Broad Band Integrated Services Digital Network (BISDN).

Figs. 3 and 4 of article (2) show block diagrams of a cellular trunk interface unit and a wireless terminal unit, respectively. It would seem that the GIU of article (1) may have at least some features similar to those of Figs. 3 and 4 of article (2). It also appears that at least some of the call set-

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Mr. Lisheng "Alex" Huang
[REDACTED]

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up scenario of Fig. 7 in article (2) may be similar to the call set-up scenario described in your disclosure, except for the charging and payment validation steps.

Patent No. 4,866,704 describes a fiber optic voice/data network that supports ordinary data packet traffic simultaneously with synchronous T1 voice traffic over a common token ring channel, and transmits synchronous voice traffic over an asynchronous packet switched network in a way that creates a virtual T1 channel. Although the call set-up is not described in this reference, it appears that the system described might be capable of a call set-up scenario similar to that described in your disclosure.

I would appreciate your reviewing the enclosed references as soon as practicable, and then calling me to discuss how to best distinguish your invention from the disclosures of these references. This will help us prepare a patent application on your disclosure.

Please confirm by MCI Mail your receipt of the original of this letter and its enclosures and then call me as soon as you have had an opportunity to consider the enclosures.

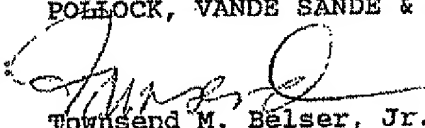
I look forward to hearing from you soon. Please also call if you have any questions.

With my best regards,

Cordially,

POLLOCK, VANDE SANDE & PRIDDY

BY:


Townsend M. Belser, Jr.

TMB/cdc
Enclosures

Advance Copy of Letter Only VIA MCI Mail

cc: Mr. Jay Shah (letter only) via MCI Mail

CB000157

Re: Invention Disclosure Number [REDACTED] For: [REDACTED] Our Ref: [REDACTED]	
[REDACTED] [REDACTED] U.S. Patent and Trademark Office [REDACTED] [REDACTED]	\$ [REDACTED]

Re: Invention Disclosure Number RIC-95-042 Inventor(s): Lisheng Huang For: HYBRID PACKET-SWITCHED AND CIRCUIT-SWITCHED TELEPHONY Our Ref: 1643/339	
Reviewing disclosure materials received to date and discussions between TB and JH regarding adequacy of same; reviewing prior art patents from prior searches on systems using digital packets; conducting patentability search in records of U.S. Patent and Trademark Office (USPTO) to locate relevant prior art; studying references located by search and preparing [REDACTED] letter to inventor forwarding copies of references and requesting further information to distinguish invention from references; [REDACTED] [REDACTED] (TB)	[REDACTED]

Re: Invention Disclosure Number [REDACTED] Inventor(s): [REDACTED] For: [REDACTED] Our Ref: [REDACTED]	
[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]	\$ [REDACTED]

EXHIBIT B

Re: Invention Disclosure Number [REDACTED]
Inventor(s): [REDACTED]
For: [REDACTED]
Our Ref: [REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

4 [REDACTED]

Re: Invention Disclosure Number RIC-95-042
Inventor(s): Lisheng Huang
For: HYBRID PACKET-SWITCHED AND CIRCUIT-SWITCHED TELEPHONY
Our Ref: 1643/339

[REDACTED]

[REDACTED]; and studying additional disclosure materials faxed by inventor's [REDACTED] letter. (TB)

Re: Invention Disclosure Number [REDACTED]
Inventor(s): [REDACTED]
For: [REDACTED]
Our Ref: [REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

\$ [REDACTED]

CLIENT
MATTER

1643/339

FILE NO.
DATE OPENED
DATE CLOSED

MCI

Page No.

CLIENT / CASE SERVICE RECORD

Date	Client/Case	File No.	Services Performed	Attorney	Time Hours Minutes	Balance Forward
			Place first TIME RECORD strip in this corner. Use a SEPARATE SHEET for each matter and for each attorney. MULTIPLY time by hourly rate and enter dollar value of services in column at right. You may total the dollar column at any time to show balance due.			
	MCI 1643	339	[REDACTED]	930-128	2 8	
	MCI 1643	339	[REDACTED]	106-100 372-496 940-1006	2 1 0 1	
	MCI 1643	339	[REDACTED]	790-100 1136 285-306	2 1 0 1	
	MCI 1643	339	[REDACTED]	117-100	0 8	
	MCI 1643	339	[REDACTED]	112-100 372-496 940-1006	1 1 1 5 0 0	

Conversion
Of Time
Into Decimals

6 Minutes = .1 Hour
12 Minutes = .2 Hour
15 Minutes = .25 Hour
18 Minutes = .3 Hour
24 Minutes = .4 Hour
30 Minutes = .5 Hour
36 Minutes = .6 Hour
42 Minutes = .7 Hour
45 Minutes = .75 Hour
48 Minutes = .8 Hour
54 Minutes = .9 Hour
60 Minutes = 1.0 Hour

Codes For
Services
Performed

C Conference With
CT Court Hearing
D Dictation Of
DP Deposition Of
LF Letter From
LR Legal Research
LT Letter To
NC Non-Chargeable
Time
P Preparation Of
PC Phone Conference
With
R Review Of
RV Revision Of
SA Sum Advanced For

CB00094

EXHIBIT C

*Reviewing the from our
acknowledging request*

Re: Invention Disclosure Number [REDACTED]	
Inventor(s): [REDACTED]	
For: [REDACTED]	
Our Ref: [REDACTED]	
[REDACTED] [REDACTED] [REDACTED]	\$ [REDACTED]

Re: Invention Disclosure Number RIC-95-042
Inventor(s): Lisheng Huang
For: HYBRID PACKET-SWITCHED AND CIRCUIT-SWITCHED TELEPHONY
Our Ref: 1643/339

X1
✓
✓
~~Reviewing voice mail message from inventor and related disclosure materials, further review of disclosure materials and discussing same with search personnel;~~
Preparing list of questions for discussion with inventor, and telephone conference with inventor on [REDACTED] regarding content of references and comparison of same with disclosure materials and requesting additional information needed to distinguish references; *with inventor*
preparing memo for file on matters discussed; [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
(12)

FILE NO. **MCI**

DATE OPENED
DATE CLOSED

CLIENT
MATTER
CLIENT CASE SERVICE RECORD

Date	Client/Case	File No.	Services Performed	Attorney	Hours	Time	Balance Forward
Place first TIME RECORD strip in this column. Use a SEPARATE SHEET for each matter and for each attorney. MULTIPLY time by hourly rate and enter dollar value of services in column at right. You may total the dollar column at any time to show balance due.							
[REDACTED]	MCI 1643	339	W/voice mail message from suit related DM	936.700	0	4	
[REDACTED]	MCI 1643	339	R/D M-LRF's & summary same	248.712	1	0	
[REDACTED]	MCI 1643	339	D SR per e-mail	1036.100	0	5	
[REDACTED]	MCI 1643	339	Expense + photocopies for documents	1200.00	2	4	
[REDACTED]	MCI 1643	339	CP notes + PC/summary of case re court	1200.00	0	6	
[REDACTED]	MCI 1643	339	CP MEX + summary of case re court	924.000	1	4	
[REDACTED]	MCI 1643	339	CP MEX + summary of case re court	248.712	0	2	
[REDACTED]	MCI 1643	339	CP MEX + summary of case re court	898.700	1	2	
[REDACTED]	MCI 1643	339	CP MEX + summary of case re court	448.300	0	2	
[REDACTED]	MCI 1643	339	CP MEX + summary of case re court	1154.100	1	8	
[REDACTED]	MCI 1643	339	CP MEX + summary of case re court	248.712	0	2	
[REDACTED]	MCI 1643	339	CP MEX + summary of case re court	1124.000	0	3	
[REDACTED]	MCI 1643	339	CP MEX + summary of case re court	136.200	0	0	
[REDACTED]	MCI 1643	339	CP MEX + summary of case re court	118.24	0	0	
[REDACTED]	MCI 1643	339	CP MEX + summary of case re court	248.712	0	0	

CB000109

15.7

Conversion
Of Time
Into Decimals
6 Minutes = .1 Hour
5 Minutes = .25 Hour
4 Minutes = .3 Hour
3 Minutes = .4 Hour
2 Minutes = .5 Hour
1 Minute = .6 Hour
2 Minutes = .7 Hour
3 Minutes = .75 Hour
4 Minutes = .8 Hour
5 Minutes = .9 Hour
6 Minutes = 1.0 Hour

Codes For
Services
Performed
Conference With
Court Hearing
Deposition Of
Letter From
Legal Research
Letter To
Non-Chargeable
Preparation Of
Phone Conference
With
Review Of
Revision Of
Sum Advanced For

EXHIBIT D

LAW OFFICES
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STANLEY B. GREEK
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TOWNSEND M. BELSER, JR.
MARTIN ABRAHAMSON
GEORGE R. PETTY
THOMAS J. VANDE SANDE
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JOSEPH P. CURTIN

OF COUNSEL
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JOSEPH C. REDMOND, JR.
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WASHINGTON, D. C. 20036-3425

INTELLECTUAL PROPERTY CAUSES

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FAX 202-223-2596

P.O. Box 19088

WASHINGTON, D.C. 20036-0088

VIA FAX NO. (703) 418-4777

Mr. Ken Gural
Patentec
2001 Jefferson Davis Highway
Suite 301
Arlington, Virginia 22202

Re: Invention Disclosure on
HYBRID PACKET-SWITCHED AND
CIRCUIT-SWITCHED
TELECOMMUNICATIONS SYSTEM
Our Ref: 1643/339

Dear Ken:

Referring to the disclosure materials delivered to you by Joe Redmond about [REDACTED], the following draft claims summarize some of the invention's main features and may be helpful to you in preparing the draft patent application:

1. A telecommunications system comprising:
 - an originating circuit-switched network for transmitting originating voice signals;
 - originating gateway means for converting said originating voice signals into packets of digital data,
 - terminating gateway means for converting said digital packets into terminating voice signals,
 - a terminating circuit-switched network for transmitting said terminating voice signals, and
 - a packet-switched network for transmitting said digital

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Mr. Ken Gural

Page 2

packets from said originating gateway means to said terminating gateway means, said originating gateway means comprising means for routing said digital packets through said packet-switched network from said originating gateway means to said terminating gateway means.

2. A telecommunications system according to claim 1, wherein said originating gateway means comprises means for compressing said digital data, and wherein said terminating gateway means comprises means for decompressing said digital data.

3. A telecommunications system according to claim 1, wherein said originating gateway means comprises means for encrypting said digital data, and wherein said terminating gateway means comprises means for decrypting said digital data.

4. A telecommunications system according to claim 1, wherein said originating gateway means comprises originating buffer means for storing said digital data before said digital packets are transmitted by said packet-switched network, and wherein said terminating gateway means comprises terminating buffer means for storing said digital data prior to the conversion thereof into said terminating voice signals.

5. A telecommunications system according to claim 1, wherein said routing means provides said routing in response to dialled digits.

6. A telecommunications system according to claim 1, wherein said routing means provides said routing in response to spoken digits.

7. A telecommunications system according to claim 1, wherein said

Mr. Ken Gural
[REDACTED]

Page 3

terminating circuit-switched network comprises means for transmitting first return voice signals to said terminating gateway means; wherein said terminating gateway means comprises means for converting said first return voice signals into packets of return digital data and for routing said return packets through said packet-switched network from said terminating gateway means to said originating gateway means; and wherein said originating gateway means comprises means for converting said return packets into second return voice signals.

I hope that the foregoing will be helpful to you in drafting the specification. We would appreciate receiving your draft of the specification and drawings, as well as any suggestions you may have regarding the claims, before the end of this week.


Please call right away if you have any questions.

With my best regards,

Cordially,

POLLOCK, VANDE SANDE & PRIDDY

BY:


Townsend M. Belser, Jr.

TMB/cdc

Confirmation via First Class Mail

CB000155

Re: Invention Disclosure Number [REDACTED]
Inventor(s): [REDACTED]
For: [REDACTED]
Our Ref: [REDACTED]

[REDACTED] and [REDACTED]
[REDACTED]
[REDACTED]

\$ [REDACTED]

~~Summary of Invention for use in preparation of draft patent application; reviewing prior patents located by searches on related subject matter in other pending files and preparing draft set of claims for use in patent application, and further review of prior art patents and preparing notes thereon for use in said application.~~

FILE NO. **MCI**
DATE OPENED
DATE CLOSED

CLIENT **1643/339**
MATTER **1643/339**
CLIENT CASE SERVICE RECORD

Date	Client/Case	File No.	Services Performed	Attorney	Time	Balance Forward
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[REDACTED]	MCI 1643	339	[REDACTED]	936700	0 4	
[REDACTED]	MCI 1643	339	[REDACTED]	936700	1 00	
[REDACTED]	MCI 1643	339	[REDACTED]	1036106 1200-428 2120436	0 34	
[REDACTED]	MCI 1643	339	[REDACTED]	9241200	0 6	
[REDACTED]	MCI 1643	339	[REDACTED]	208712	4 2	
[REDACTED]	MCI 1643	339	Some to R/prior patent to located by SP24 208712 on related 5 M. by other document 602-57 P/ draft new claims	848700 10361200	1 24	
[REDACTED]	MCI 1643	339	Same	418-30 448-50	0 2	
[REDACTED]	MCI 1643	339	P/draft set of claims - prepare in drafting space. 430-42	1154- 1642 248-300 306-448	1 02	
[REDACTED]	MCI 1643	339	Same	1124- 136-200	0 34	
[REDACTED]	MCI 1643	339	P/prior art, R/F 5x draft 10/11/73 opinion for use in drafting met. R.P.	118-24 248-300	0 2	
[REDACTED]	MCI 1643	339				

15.7

CB000109

Conversion Of Time Into Decimals
1 Minutes = .1 Hour
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3 Minutes = .25 Hour
4 Minutes = .3 Hour
5 Minutes = .4 Hour
6 Minutes = .5 Hour
7 Minutes = .6 Hour
8 Minutes = .7 Hour
9 Minutes = .75 Hour
10 Minutes = .8 Hour
11 Minutes = .9 Hour
12 Minutes = 1.0 Hour

Codes For Services Performed
T Conference With
F Court Hearing
R Deposition Of
F Letter From
R Legal Research
C Letter To
C Non-Chargeable
C Preparation Of
C Phone Conference
V With
V Revision Of
A Sum Advanced For

EXHIBIT E

LAW OFFICES
POLLOCK, VANDE SANDE & PRIDDY, R.L.L.P.

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GEORGE R. PETTIT
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LOUIS WOOD
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ERIC J. FRANKLIN
LARRY LIBERCHUK*
MICHAEL A. SCHWARTZ*
JOSEPH P. CURTIN

OF COUNSEL
JOHN E. HOEL*
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FAX 202-293-6229

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P.O. Box 19088
WASHINGTON, D.C. 20036-0088

VIA FEDERAL EXPRESS

Mr. Lisheng "Alex" Huang
MCI Communications Corporation
2400 N. Glenville Drive
Richardson, Texas 75082

Re: Invention Disclosure on
HYBRID PACKET-SWITCHED AND
CIRCUIT-SWITCHED TELEPHONY
Your Ref: RIC-95-042
Our Ref: 1643/339

Dear Alex:

This is to let you know the results of our search in the records of the U. S. Patent and Trademark Office to help evaluate the desirability of proceeding with a patent application on your above disclosure.

The search was directed to a hybrid packet-switched and circuit-switched telephony (HPCT) system for routing a telephone call mostly through packet-switched networks, except for respective analog ends where subscriber telephone sets are directly connected to circuit-switched networks. Gateway Computers (GC's) interconnect the packet-switched and circuit-switched networks to convert voice signals into data packets and vice versa, and to resolve the call destinations while routing the packets. In this invention, the GC's are managed by the telephony service provider, as opposed to the end-user. Because the GC's are a set of resources shared by many subscribers, they can be managed with higher efficiency and utilization than by a subscriber's personal computer. By incorporating the HPCT system into the current long-distance telephony, lower cost of communication and other packet-switch benefits can be achieved due to better utilization of packet-switched networks by the circuit-switched networks of local exchange carrier's (LEC's). These benefits are also made available to many subscribers without significant investment.

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Mr. Lisheng "Alex" Huang

Page 2

The following prior art patents were located by our search and copies thereof are enclosed for your consideration:

<u>Patent No.</u>	<u>Issued</u>	<u>Inventor</u>
4,549,291	10/22/85	Renoulin et al.
4,592,048	05/27/86	Beckner et al.
4,723,238	02/02/88	Isreal et al.
4,926,416	05/15/90	Weik
5,014,266	05/07/91	Bales et al.
5,058,111	10/15/91	Kihara et al.
5,119,370	06/02/92	Terry
5,251,206	10/05/93	Calvignac et al.
5,301,189	04/05/94	Schmidt et al.
5,341,374	08/23/94	Lewen et al.
5,341,418	08/23/94	Yoshida
5,349,640	09/20/94	Dunn et al.
5,392,402	02/21/95	Robrock

No. 5,392,402 was selected as describing a broadband intelligent telecommunications network (BIN) having a fast packet (ATM) switch and capable of using the resources of conventional circuit-switched telephone networks. As shown in Fig. 4, the Line Information Database (LIDB) of the circuit-switched telephone network is adapted to be included in the resource system 63 for call handling support in the BIN. The resource system 63 includes a database 63A in the form of a LIDB 150 which is directly connected to a ATM port 70P. The LIDB 150 and the LIDB 150B may be connected to circuit-switched network elements through SS7 and X.25 links (column 8, line 17, to column 9, line 60). The database support of circuit-switched telephone networks is thereby made available to fast-packet networks to facilitate fast-packet system call handling. "Further, substantial economic value can be realized in fast-packet networks by using the existing LIDB infrastructure of the circuit-switched telephone network" (column 9, lines 15-25).

No. 5,058,111 was selected as describing subscriber line interface circuits that are between analog telephones and packet switched networks, and are capable of reducing the signal-to-noise ratio (S/N ratio) both in the analog/digital and the digital/analog conversions. Voice signals are transmitted and received as analog signals via line terminal circuits which are connected to respective packet communication signal processing circuits. In the packet communication signal processing circuits, packet assembly and disassembly, voice signal processing, and line terminal circuit control are carried out in synchronism with the packet communication network. Packet data are transferred serially between the packet communication signal processing circuits and a switch interface circuit 32, which interfaces with a packet switched network. Operation of the

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Mr. Lisheng "Alex" Huang

Page 3

subscriber line interface circuit package 30 is controlled by a microprocessor 31.

No. 5,301,189 was selected as describing a telecommunication network having both an asynchronous transfer mode (ATM) exchanges and synchronous transfer mode (STM) exchanges, and wherein interfaces allocated to the ATM exchanges serve the purpose of connecting transmission lines carrying the circuit-switched messages of the STM exchanges. The purpose of the invention is to provide the advantages of telecommunication networks operating in the ATM mode to the older currently installed telecommunication networks operating in the STM mode.

No. 5,341,374 was selected as describing a local communication network for integrating telephone voice data with digital data from other application devices and providing distributed call processing for all such data. Where applicable, the analog-to-digital conversion and storage operations are performed by the telephones 58. Digital data from the telephone is sent to an adapter card 70 connected to a node coupling unit 51 on a token ring network 50. One or more of the node coupling units may be connected to a bridge for providing connection to a gateway for an external network, such as a telephone central office.

No. 4,549,291 was selected as showing a hybrid local communication network that operates both in circuit and packet modes. The interface units on the loop 2 are referred to as Cluster Control Units and include a microprocessor 417 as shown in Fig. 4 of this patent. Each cluster control unit may be connected to a plurality of terminals, such as telephones, teleprinters, data terminals, or teletext or videotext receiver sets.

No. 4,592,048 was selected as disclosing an integrated packet switching and circuit switching system comprising a number of switching modules each connected to a different plurality of user terminals. Each switching module includes a packet switching unit used both to provide packet-switched communication channels among the user terminals connected to that switching module, and to switch control information between the user terminals and the control unit to establish both circuit-switched calls and packet-switched calls.

No. 4,723,238 was selected as showing an interface circuit for interconnecting a packet switch system to a circuit switch system, and for enabling a uniform dialing plan to be utilized to establish intra-system or inter-system connections. Each terminal of the packet switched system is assigned a unique

Mr. Lisheng "Alex" Huang

Page 4

terminal address similar to the extension number used for terminals of the circuit switched system.

No. 4,926,416 was selected as describing a hybrid packet switching network wherein the packets of particular connections, such as voice, are treated with priority over packets of other connections. In order to avoid delay jitter and loss of information, all packets are divided within an exchange into subpackets of equal length and distributed to subframes, and switching takes place on the basis of the subframes.

No. 5,014,266 was selected as describing a circuit switching system that responds to a switching protocol to set up multiple logical links, compressed voice calls and substrate data calls on one logical channel between packet switching networks, voice concentrators and data multiplexers.

No. 5,119,370 was selected as showing a switching node for an optical communications network wherein short message traffic and connection signaling messages for longer duration and higher capacity traffic are both handled by a packet message switch of relatively low capacity and rapid response, while the longer duration and higher capacity traffic is handled by a circuit switch controlled by the signalling messages conducted via the packet message switch.

No. 5,251,206 was selected as describing a hybrid packet and circuit switching system allowing the merger of packet and circuit traffic from a plurality of user interface modules on a TDM bus. The data transfers through the hybrid switch are performed in bursts for the packet switched traffic as well as for the circuit switched traffic. The hybrid switch resolves the contentions and grants the transfer on a burst time basis, giving to the circuit switched traffic higher priority than for the packet switched traffic (column 6, lines 34-50).

No. 5,341,418 was selected as describing a terminal adapter for providing access from analog signal equipment of the four-wire full duplex type to an Integrated Services Digital Network System (ISDN).

No. 5,349,640 was selected as describing a ROLM Company Digital Telephone having a coder/decoder 130 for converting analog voice information to digital form and vice versa, and a microprocessor 118 enabling an application operating on this computing device to control or monitor operation of the telephone.

We would appreciate your reviewing the enclosed patents and letting us know the specific features of your disclosure that

CB000149

Mr. Lisheng "Alex" Huang
[REDACTED]

Page 5

distinguish it from the disclosures of these patents. This will help us evaluate the likelihood of successfully prosecuting a patent application on your disclosure.

Please confirm your receipt of this letter by telefax or MCI MAIL, and then let us have your comments on the enclosed patents as soon as practicable.

I look forward to hearing from you soon. Please call if you have any questions.

Thank you for your help.

Cordially,


Townsend Belser

TMB/cdc
Enclosures

Advance Copy of Letter Only VIA MCI MAIL

cc via MCI MAIL (Letter Only): Mr. Tim D. Casey.
Mr. Alex Huang
Ms. Denise Nappi

CB000150

Matter

Event Attorney Date Hours \$ Value Billable Cumm-\$-Value Description

1643 MCI Communications Corp.

00339 RIC-95-042 Huang

89405 TMB 2.80 S

Reviewing references located by prior art search and preparing draft letter to inventor to report search results and enclose copies of said patents

89407 TMB 2.30 B

Reviewing additional patents from searches on related invention disclosures and revising draft letter to include discussion of additional patents

89408 TMB 5.40 B

Temporary [redacted]

89425 TMB 3.80 B

Revising [redacted]

89426 TMB 2.50 B

Revising [redacted]

89427 TMB 1.00 B

Revising [redacted]

89429 TMB 5.80 B

Preparing [redacted]

89431 TMB 7.00 B

Revising [redacted]

89433 TMB 3.60 B

Revising [redacted]

89434 TMB 0.30 B

Revising [redacted]

89435 TMB 0.20 B

Revising [redacted]

Card drafting portions of RV

notes on R.F.'s for use in drafting response

Re: Invention Disclosure Number RIC-95-042
Inventor(s): Lisheng Huang
For: HYBRID PACKET-SWITCHED AND CIRCUIT-SWITCHED TELEPHONY
Our Ref: 1643/339

draft
Reviewing references located by prior art search and preparing draft letter to inventor to report search results and enclose copies of said patents; reviewing additional patents from related invention disclosures and revising ~~search report~~ letter to include discussions of additional patents; telephone conference on ~~XXXXXX~~ with Mr. Casey wherein sending of search report was authorized, and completing and sending out final search report letter with references on ~~XXXXXX~~; ~~XXXXXX~~

~~Background and summary of the invention~~
~~patent~~
~~and~~
~~preparing~~
~~proposed~~
~~including~~
~~of~~
~~Advantages~~
~~claim~~
(TB)

CLIENT
MATTER
CLIENT / CASE SERVICE RECORD

1643/339

FILE NO.
DATE OPENED
DATE CLOSED

MCI

Date	Client/Case	File No.	Services Performed	Attorney	Time Hours Minutes	Balance Forward
			Place first TIME RECORD strip in this corner. Use a SEPARATE SHEET for each matter and for each attorney. MULTIPLY time by hourly rate and enter dollar value of services in column at right. You may total the dollar column at any time to show balance due.			
	MCJ 1643	339	None	100-24	0 47	
	MCJ 1643	339	Same	100-24	0 33	
	MCJ 1643	339	R/R's located by MCJ prior to 130-300 & P/CF's air reporting 50 minutes & enclosing copies of hand notes	130-300 338-36	1 53	
	MCJ 1643	339	With MCJ R/CF's (1) parties from related air discharges & working draft of report to include discussion of R/R's	230-300 348-536	1 58	
	MCJ 1643	339	Completing & sending out final R/R's to Co. 12 R/R's & P/CF's	912-1842 112-1542 112-240 130-536	1 58	
	MCJ 1643	339	None	912-30	0 3	
	MCJ 1643	339	()	68-730	1 2	
	MCJ 1643	339	()	912-54 112-154 112-240 130-536	0 28	
	MCJ 1643	339	()	548-642 648-748	0 40	
	MCJ 1643	339	()	1080-130 112-154 112-240 130-536	1 06	
	MCJ 1643	339	()	1054-154	1 0	
	MCJ 1643	339	()			CB04097

Conversion
Of Time
Into Decimals

6 Minutes = .1 Hour
12 Minutes = .2 Hour
15 Minutes = .25 Hour
18 Minutes = .3 Hour
24 Minutes = .4 Hour
30 Minutes = .5 Hour
36 Minutes = .6 Hour
42 Minutes = .7 Hour
45 Minutes = .75 Hour
48 Minutes = .8 Hour
54 Minutes = .9 Hour
60 Minutes = 1.0 Hour

Codes For
Services
Performed

C Conference With
CT Court Hearing
D Dictation Of
DP Deposition Of
LF Letter From
LR Legal Research
LT Letter To
NC Non-Chargeable
P Preparation Of
PC Phone Conference
With
R Review Of
RV Revision Of
SA Sum Advanced For

EXHIBIT F

LAW OFFICES
POLLOCK, VANDE SANDE & PRIDDY, R.L.L.P.

ELLIOTT I. POLLOCK
GEORGE VANDE SANDE
ROBERT R. PRIDDY
RICHARD WIENER
BURTON A. AMERNICK
STANLEY B. GREEN
MORRIS LISS
TOWNSEND M. BELSER, JR.
MARTIN ABRAHAMSON
GEORGE R. PETTIT
THOMAS J. VANDE SANDE
LOUIS WOD
ELZBIETA CHLOPECKA
ERIC J. FRANKLIN
LARRY LIBERCHUK
MICHAEL A. SCHWARTZ
JOSEPH P. CURVIN

OF COUNSEL
JOHN E. HOEL
JOSEPH C. REDMOND, JR.
NOT ADMITTED IN THE DISTRICT OF COLUMBIA

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WASHINGTON, D. C. 20036-3425

INTELLECTUAL PROPERTY CAUSES

TELEPHONE (202) 331-7111

FAX 202-293-6229

FAX 202-223-2596

P.O. BOX 19088
WASHINGTON, D.C. 20036-0088

VIA FEDERAL EXPRESS

Mr. Lisheng "Alex" Huang
MCI Communications Corporation
2400 N. Glenville Drive
Richardson, Texas 75082

Re: U.S. Patent Application for
HYBRID PACKET-SWITCHED AND
CIRCUIT-SWITCHED TELEPHONY
Your Ref: RIC-95-042
Our Ref: 1643/339

Dear Alex:

Enclosed for your review and approval is a draft patent application (23 pages of specification and 4 informal sheets of drawings) on your above invention disclosure.

Please go over the enclosed application and drawings carefully and let us know by telefax or MCI Mail of any changes needed to put it in shape for filing in the U.S. Patent and Trademark Office. Please do this within the next few days as MCI's management has asked us to file this application as soon as possible.

If any revisions are needed, your comments and suggestions can be written on the enclosed copy which then should be returned to us by telefax. In this regard, please insert any additional disclosure that may be useful in further distinguishing the prior art patents enclosed with my letter to you of [REDACTED].

The specification, which concludes with a series of numbered claims, should accurately describe and claim the invention. If, after reading the application, you have any questions about the accuracy of the specification or drawings, or whether the claims adequately define the invention, please raise those questions with me by calling me at (202) 331-7111.

CB000151

Mr. Lisheng "Alex" Huang
[REDACTED]

Page 2

The law requires that a patent application contain a detailed description of the best mode contemplated by the inventor(s) for carrying out the invention, and that the description be complete enough for a person skilled in this art to make and use the invention. Please let us know if you feel that there might be anything missing in this regard.

Your careful attention to each of the above matters will help us ensure that the patent application filed is in the best possible condition for examination by the Patent Office and for issuance as a patent if the application is allowed.

Please call me at the above telephone number if you have any questions regarding any of the above matters.

We also need to know your residence address and citizenship.

Thanking you for your assistance in this matter,

Cordially,

POLLOCK, VANDE SANDE & PRIDDY

BY:


Townsend M. Belser, Jr.

TMB/cdc

Enclosure: Draft patent application

Copy of letter VIA MCI MAIL - Tim D. Casey
Alex Huang
Denise Nappi

CB000152

Matter

Event Attorney Date Hours \$ Value Billable Cum-S-Value Description

1643 MCI Communications Corp.

00339 RIC-95-042 Huang

89405 TMB [REDACTED] 2.80 [REDACTED] B

89407 TMB [REDACTED] 2.30 [REDACTED] B

89408 TMB [REDACTED] 5.40 [REDACTED] B

89425 TMB [REDACTED] 3.80 [REDACTED] B

89426 TMB [REDACTED] 2.50 [REDACTED] B

89427 TMB [REDACTED] 1.00 [REDACTED] B

89429 TMB [REDACTED] 5.80 [REDACTED] B

89431 TMB [REDACTED] 7.00 [REDACTED] B

89433 TMB [REDACTED] 3.60 [REDACTED] B

89434 TMB [REDACTED] 0.30 [REDACTED] B

89435 TMB [REDACTED] 0.20 [REDACTED] B

Telephone conference on [REDACTED] with Mr. Casey wherein sending of search report was authorized, ~~and~~ completing and sending out final search report letter with references, ~~and preparing~~

Reviewing disclosure materials and preparing portions of draft application

Reviewing incoming mail and related disclosure form received from Mr. Casey, ~~and~~ preparing letter forwarding same to other PVP Attorneys, ~~and~~

Reviewing Mr. Casey's mail and preparing reply letter regarding contents of MCI Disclosure Form

Preparing draft application drawings, and reviewing disclosure materials and preparing portions of draft application

Reviewing disclosure materials and completing draft patent application, including sections on Background of Invention, Summary of Invention, Brief Description of Drawings, Detailed Description of Invention, Claims, and Abstract of Disclosure

Preparing letter to inventor forwarding first draft of application, ~~and~~ explaining contents thereof, and requesting his review and comments, and updating status chart

Discussions between [REDACTED] and [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

CB00095

[illegible]

mail
mail
preparing
draft approx.
dwgs;

Revised updating status chart

(Insert time ticket service for [REDACTED])

CLIENT
MATTER

CLIENT / CASE SERVICE RECORD

FILE NO.
DATE OPENED
DATE CLOSED

Page No.

Date	Client/Case	File No.	Services Performed	Attorney	Time Hours	Time Minutes	Balance Forward
			Place first TIME RECORD strip in this corner. Use a SEPARATE SHEET for each matter and for each attorney. MULTIPLY time by hourly rate and enter dollar value of services in column at right. You may total the dollar column at any time to show balance due.				
	MCJ 1643	339	P/ draft Put. t. P. including sections on (separate words here)	445-530	0	8	
	MCJ 1643	334	Same + P/ for to including first AP for review of Appendix with contents of draft	200-340 312-524	1	7	5.8
	MCJ 1643	339	R/R F's drafted by prior art search	212-440	1	8	
	MCJ 1643	339	Same	430-470 1250-170 218-460 210-530	0	2	
	MCJ 1643	339	Same + P/ for to draft of appl to and for review	1030-1140 1212-170 142-450	1	3	7.0
	MCJ 1643	339	Completing 1st draft of Appl P/ for products same to and for review of Appendix	212-440	2	5	30.4
	MCJ 1643	339	[REDACTED]	445-530	0	3	12.8
	MCJ 1643	339	[REDACTED]	1042-534	0	2	34.7

Conversion
Of Time
Into Decimals

6 Minutes = .1 Hr
12 Minutes = .2 Hr
15 Minutes = .25 Hr
18 Minutes = .3 Hr
24 Minutes = .4 Hr
30 Minutes = .5 Hr
36 Minutes = .6 Hr
42 Minutes = .7 Hr
45 Minutes = .75 Hr
48 Minutes = .8 Hr
54 Minutes = .9 Hr
60 Minutes = 1.0 Hr

Codes For
Services
Performed

C Conference With
CT Court Hearing
D Dictation Of
DP Deposition Of
LF Letter From
LR Legal Research
LT Letter To
NC Non-Chargeable
Time
P Preparation Of
PC Phone Conferen
With
R Review Of
RV Revision Of
SA Sum Advanced For

CB000099

state

EXHIBIT G

CLIENT

MATTER

CLIENT / CASE SERVICE RECORD

1643/339

FILE NO.

DATE OPENED

DATE CLOSED

MCI

Page No.

Balance Forward

Time

Hours

Minutes

Seconds

Attorney

Services Performed

File No.

Client/Case

Date

Place first TIME RECORD strip in this column. Use a SEPARATE SHEET for each matter and for each attorney. MULTIPLY time by hourly rate and enter dollar value of services in column at right. You may total the dollar column at any time to show balance due.

Conversation

Of Time

Into Decimate

- 6 Minutes = .1 Hour
- 12 Minutes = .2 Hour
- 18 Minutes = .3 Hour
- 24 Minutes = .4 Hour
- 30 Minutes = .5 Hour
- 36 Minutes = .6 Hour
- 42 Minutes = .7 Hour
- 48 Minutes = .8 Hour
- 54 Minutes = .9 Hour
- 60 Minutes = 1.0 Hour

Codes For

Services

Performed

- G Conference With
- CT Court Hearing
- D Dictation Of
- DP Deposition Of
- LF Letter From
- LR Legal Research
- LT Letter To
- NC Non-Chargeable
- P Preparation Of
- PC Phone Conference
- R Review Of
- RV Revision Of
- SA Sum Advanced For

CB000101

EXHIBIT H

LAW OFFICES
POLLOCK, VANDE SANDE & PRIDDY, R.L.L.P.

ELLIOTT I. POLLOCK
GEORGE VANDE SANDE
ROBERT R. PRIDDY
RICHARD WIENER
BURTON A. AMERNICK
STANLEY B. GREEN
MORRIS LISS
TOWNSEND M. BELSER, JR.
MARTIN ABRAMSON
GEORGE R. PETTIT
THOMAS J. VANDE SANDE
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ERIC J. FRANKLIN
LARRY LIBERCHUK
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INTELLECTUAL PROPERTY CAUSES

TELEPHONE (202) 331-7111

FAX 202-293-6229

FAX 202-223-2596

P.O. Box 19068

WASHINGTON, D.C. 20036-0068

November 15, 1995

OF COUNSEL
JOHN E. HOEL*
JOSEPH C. REDMOND, JR.
*NOT ADMITTED IN THE DISTRICT OF COLUMBIA

VIA FEDERAL EXPRESS

Mr. Lisheng "Alex" Huang
MCI Communications Corporation
2400 N. Glenville Drive
Richardson, Texas 75082

Re: U.S. Patent Application for
HYBRID PACKET-SWITCHED AND
CIRCUIT-SWITCHED TELEPHONY SYSTEM
Your Ref: RIC-95-042
Our Ref: 1643/339

Dear Alex:

Referring to our telephone conversation earlier today, enclosed for your review and approval is a revised version of the patent application (26 pages of specification and 5 informal sheets of drawings) on your above invention disclosure. The earlier draft was revised on the basis of your comments and suggestions.

Please go over the enclosed application and drawings carefully and let me know by telefax or MCI Mail of any changes needed before it may be filed in the U.S. Patent and Trademark Office. Please do this within the next few days.

If any revisions are needed, your comments and suggestions can be written on the enclosed copy which then should be returned to us by telefax.

The specification, which concludes with a series of numbered claims, should accurately describe and claim the invention. If, after reading the application, you have any questions about the accuracy of the specification or drawings, or whether the claims adequately define the invention, please raise those questions by calling me at (202) 331-7111.

The law requires that a patent application contain a detailed description of the best mode contemplated by the

CB000144

Mr. Lisheng "Alex" Huang
November 15, 1995
Page 2

inventor(s) for carrying out the invention, and that the description be complete enough for a person skilled in this art to make and use the invention. Please let us know if you feel that there might be anything missing in this regard.

Your careful attention to each of the above matters will help us ensure that the patent application filed is in the best possible condition for examination by the Patent Office and for issuance as a patent if the application is allowed.

Please call me right away if you have any questions.

Thanking you for your continuing assistance in this matter,

Cordially,

POLLOCK, VANDE SANDE & PRIDDY

BY:


Townsend M. Belser, Jr.

TMB/cdc
Enclosure: Draft patent application

Copy of letter VIA MCI MAIL - Jodi Kaspar
Alex Huang
Denise Nappi

CB000145

RE: U.S. Patent Application
Serial No. To be assigned
Inventor(s): Lisheng Huang
For: HYBRID PACKET-SWITCHED AND CIRCUIT-SWITCHED TELEPHONY
Your Ref: RIC-95-042
Our Ref: 1643/00339

SERVICES:

Reviewing inventor's comments and revising portions of
draft application based on his comments (TMB 11/14);
Telephone conference on 11/15 with inventor regarding
handling of revised draft application to promptly place in
final form, and preparing 11/15 letter to inventor
forwarding revised draft via Federal Express (TMB 11/15);
Sending MCI mail copies of 11/15 letter and discussion
between T. Belser and S. Green regarding status of this
case and other pending MCI cases (TMB 11/16); [REDACTED]
[REDACTED]
[REDACTED]

Total Services

\$ [REDACTED]

DISBURSEMENTS:

Photocopying

\$ [REDACTED]

Telephone

\$ [REDACTED]

Electronic Mail

\$ [REDACTED]

Total Disbursements

\$ [REDACTED]

Total for Matter

\$ [REDACTED]

RE: U.S. Patent Application
Serial No. To be assigned
Inventor(s): [REDACTED]
For: [REDACTED]
Your Ref: [REDACTED]
Our Ref: [REDACTED]

DISBURSEMENTS:

Photocopying

\$ [REDACTED]

Telephone

\$ [REDACTED]

Total Disbursements

\$ [REDACTED]

Total for Matter

CB000110

\$ [REDACTED]

Client: 1643 - MCI Communications Corporation
 Matter: 00339 - RIC-95-042 Ruang

Matter: 00339: RE: U.S. Patent Application
 Serial No. To be assigned
 Inventor(s): Lisheng Ruang
 For: HYBRID PACKET-SWITCHED AND CIRCUIT-SWITCHED TELEPHONY
 Your Ref: RIC-95-042
 Our Ref: 1643/00339

Date	Services	Atty FF	Hours	Amount	Bill Amt
11/14/95	Reviewing inventor's comments and revising portions of draft application based on his comments	TMB N	7.70	\$ [REDACTED]	[REDACTED]
11/15/95	Telephone conference on 11/15 with inventor regarding handling of revised draft application to promptly place in final form, and preparing 11/15 letter to inventor forwarding revised draft via Federal Express	TMB N	4.40	\$ [REDACTED]	[REDACTED]
11/16/95	Sending MCI mail copies of 11/15 letter and discussion between T. Belser and S. Green regarding status of this case and other pending MCI cases	TMB N	0.40	\$ [REDACTED]	[REDACTED]
	[REDACTED]	TMB N	2.40	\$ [REDACTED]	[REDACTED]

Summary of Attorney Matter Services

Attorney	Total Hours	Total Amount	Average Rate
Townsend M. Belser, Jr.	[REDACTED]	\$ [REDACTED]	\$ [REDACTED]

TOTAL FOR SERVICES

\$ [REDACTED]

Date	Vendor	Detail of Matter Expenses
10/31/95		Electronic Mail
11/10/95		Photocopying
11/15/95		Photocopying
11/16/95		Photocopying
11/30/95		Photocopying
11/30/95		Telephone

TOTAL FOR EXPENSES

\$ [REDACTED]

Summary of Matter Expenses

Photocopying	\$ [REDACTED]
Electronic Mail	\$ [REDACTED]
Telephone	\$ [REDACTED]

EXHIBIT I

RE: U.S. Patent Application
Serial No. To be assigned
Inventor(s): Lisheng Huang
For: HYBRID PACKET-SWITCHED AND CIRCUIT-SWITCHED TELEPHONY
Your Ref: RIC-95-042
Our Ref: 1643/00339

SERVICES:

[REDACTED]
[REDACTED]
[REDACTED] [REDACTED]; Reviewing
inventor's 11/30 faxed suggestions for further changes in
draft application and revising draft accordingly (TMB
11/30).

Total Services

DISBURSEMENTS:

Photocopying

Telephone

Electronic Mail

Total Disbursements

Total for Matter

RE: U.S. Patent Application
Serial No. To be assigned
Inventor(s): [REDACTED]
For: [REDACTED]
Your Ref: [REDACTED]
Our Ref: [REDACTED]

DISBURSEMENTS:

Photocopying

Telephone

Total Disbursements

Total for Matter

CB000110

Client: 1643 - MCI Communications Corporation
Matter: 00339 - RIC-95-042 Huang

Matter: 00339: RE: U.S. Patent Application
Serial No. To be assigned
Inventor(s): Lisheng Huang
For: HYBRID PACKET-SWITCHED AND CIRCUIT-SWITCHED TELEPHONY
Your Ref: RIC-95-042
Our Ref: 1643/00339

Date	Services	Atty FF	Hours	Amount	Bill Amt
	[REDACTED]	TMB N	7.70	\$ [REDACTED]
	[REDACTED]	TMB N	4.40	\$ [REDACTED]
	[REDACTED]	TMB N	0.40	\$ [REDACTED]
11/30/95	Reviewing inventor's 11/30 faxed suggestions for further changes in draft application and revising draft accordingly	TMB N	2.40	\$ [REDACTED]

Summary of Attorney Matter Services

Attorney	Total Hours	Total Amount	Average Rate
Townsend M. Belser, Jr.	[REDACTED]	\$ [REDACTED]	[REDACTED]

TOTAL FOR SERVICES

\$ [REDACTED]

Date	Vendor	Detail of Matter Expenses		
10/31/95		Electronic Mail	\$	[REDACTED]
11/10/95		Photocopying	\$	[REDACTED]
11/15/95		Photocopying	\$	[REDACTED]
11/16/95		Photocopying	\$	[REDACTED]
11/30/95		Photocopying	\$	[REDACTED]
11/30/95		Telephone	\$	[REDACTED]
TOTAL FOR EXPENSES			\$	[REDACTED]

Summary of Matter Expenses

Photocopying	\$	[REDACTED]
Electronic Mail	\$	[REDACTED]
Telephone	\$	[REDACTED]

EXHIBIT J

LAW OFFICES
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SUITE 800
1990 M STREET, N.W.
WASHINGTON, D.C. 20036-3425

ELLIOTT I. POLLOCK
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BURTON A. AMERNICK
STANLEY B. GREEN
MORRIS LISS
TOWNSEND M. BELSER, JR.
MARTIN ABRAMSON
GEORGE R. PETTIT
THOMAS J. VANDE SANDE
LOUIS WOO
ELEZBEYA CHLOPECKA
ERIC J. FRANKLIN
LARRY LIBERCHUK
MICHAEL A. SCHWARTZ*
JOSEPH P. CURTIN
OF COUNSEL
JOHN E. HOEL*
JOSEPH C. REDMOND, JR.
*NOT ADMITTED IN THE DISTRICT OF COLUMBIA

December 1, 1995

INTELLECTUAL PROPERTY CAUSES
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P.O. Box 19088
WASHINGTON, D.C. 20036-0088

VIA HAND DELIVERY

Ms. Jodette Kaspar
MCI Communications Corporation
Room 551
1133 19th Street, N.W.
Washington, D.C. 20036

Re: U.S. Patent Application for
HYBRID PACKET-SWITCHED AND
CIRCUIT-SWITCHED TELEPHONY SYSTEM
Your Ref: RIC-95-042
Our Ref: 1643/339

Dear Jodi:

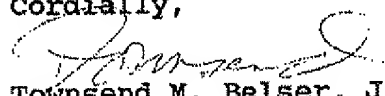
Enclosed is the final version of the above patent application as last revised in accordance with the inventor's comments.

In our last telephone conference with the inventor (Lisheng Huang) on November 30, 1995, we told him that your office would be sending him the final application along with other appropriate documents for his signature. Mr. Huang's is a citizen of the People's Republic of China, and his current residence address is:

3900 Cedar Ridge Lane
Carrollton, Texas 75007

With our best regards,

Cordially,


Townsend M. Belser, Jr.

TMB/cdc
Enclosure: U.S. Patent Application

Copy of Letter Only VIA MCI MAIL - Alex Huang
Jodette Kaspar
Stan Green

Billing atty: ML - Morris Liss
 Init Atty(s): SBGEIP
 Client: 1643 - MCI Communications Corporation
 Matter: 00339 - RIC-95-042 Huang
 Billing Date: 12/29/95
 Fees Thru Date: 12/29/95
 Cost Thru Date: 12/29/95

1643 MCI Communications Corporation
 1801 Pennsylvania Avenue, N.W.
 Washington, DC 20008

Timothy Casey, Esquire

Matter: 00339: RE: U.S. Patent Application
 Serial No. To be assigned
 Inventor(s): Lisheng Huang
 For: HYBRID PACKET-SWITCHED AND CIRCUIT-SWITCHED TELEPHONY
 Your Ref: RIC-95-042
 Our Ref: 1643/00339

Date	Services	Atty FF	Hours	Amount	Bill Amt
12/01/95	Preparing 12/1 letter to Ms. Kasper forwarding final version of patent application for further processing with inventor	TMB N	0.20	\$ [REDACTED]

Summary of Attorney Matter Services

Attorney	Total Hours	Total Amount	Average Rate
Townsend M. Belser, Jr.	[REDACTED]	\$ [REDACTED]	[REDACTED]

TOTAL FOR SERVICES

\$ [REDACTED]

Date	Vendor	Detail of Matter Expenses
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12/01/95		Photocopying
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\$ [REDACTED]

TOTAL FOR EXPENSES

\$ [REDACTED]

SUMMARY OF TOTAL ATTORNEY SERVICES

Townsend M. Belser, Jr.	\$ [REDACTED]	\$ [REDACTED]
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SUMMARY OF TOTAL EXPENSES

Photocopying	\$ [REDACTED]
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Total Amount for Expenses	\$ [REDACTED]
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SUMMARY OF TOTAL MATTER SERVICES AND EXPENSES

Matter Code	Name	Fees	Expenses	Total
00339	RIC-95-042 Huang	\$ [REDACTED]	\$ [REDACTED]	\$ [REDACTED]

CB000106

12/13
12/14

CLIENT
MATTER

CLIENT / CASE SERVICE RECORD

1643/339

FILE NO.
DATE OPENED
DATE CLOSED

MCI

Date Client/Case File No. Services Performed Attorney Hours Total

Place first TIME RECORD strip in this corner. Use a SEPARATE SHEET for each matter and for each attorney. MULTIPLY time by hourly rate and enter dollar value of services in column at right. You may total the dollar column at any time to show balance due.

Conversal 12/1/65 MCI 1643 339

W/let fact sheet for information of APs
no request for further information
\$24.36 02

Into Decimals

- 6 Minutes = .1 Hour
- 12 Minutes = .2 Hour
- 15 Minutes = .25 Hour
- 18 Minutes = .3 Hour
- 24 Minutes = .4 Hour
- 30 Minutes = .5 Hour
- 36 Minutes = .6 Hour
- 42 Minutes = .7 Hour
- 45 Minutes = .75 Hour
- 48 Minutes = .8 Hour
- 54 Minutes = .9 Hour
- 60 Minutes = 1.0 Hour

Codes For
Services
Performed

- C Conference With
- CT Court Hearing
- D Dictation Of
- DP Deposition Of
- LF Letter From
- LR Legal Research
- LT Letter To
- NC Non-Chargeable
- Time
- P Preparation Of
- PC Phone Conference
- With
- R Review Of
- RV Revision Of
- SA Sum Advanced For

CB000107

RE: U.S. Patent Application
Serial No. To be assigned
Inventor(s): Lisheng Huang
For: HYBRID PACKET-SWITCHED AND CIRCUIT-SWITCHED TELEPHONY
Your Ref: RIC-95-042
Our Ref: 1643/00339

SERVICES:

Preparing 12/1 letter to Ms. Kaspar forwarding final
version of patent application for further processing with
inventor (TMB 12/1).

Total Services

\$ [REDACTED]

DISBURSEMENTS:

Photocopying

\$ [REDACTED]

Total Disbursements

\$ [REDACTED]

Total for Matter

\$ [REDACTED]

RE: U.S. Patent Application
Serial No. To be assigned
For: [REDACTED]
Your Ref: [REDACTED]
Our Ref: [REDACTED]

SERVICES:

Finalization of patent application (ML 12/10);
Finalization of patent application (ML 12/11).

Total Services

\$ [REDACTED]

DISBURSEMENTS:

Photocopying

\$ [REDACTED]

Facsimile

\$ [REDACTED]

Postage

\$ [REDACTED]

Total Disbursements

\$ [REDACTED]

Total for Matter

\$ [REDACTED]